

REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)			THIS RFO <input checked="" type="checkbox"/> IS <input type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE 1 OF 7 PAGES			
1. REQUEST NO. N65540-03-Q-0146		2. DATE ISSUED 03 JAN 31		3. REQUISITION/PURCHASE REQUEST NO. 95330 30079631		4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING	
5a. ISSUED BY CONTRACTING OFFICER NSWC CARDEROCK DIVISION				6. DELIVER BY (Date) 03 MAR 14				
5b. FOR INFORMATION CALL (NO COLLECT CALLS)				7. DELIVERY <input checked="" type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)				
NAME 5001 S. BROAD STREET, CODE 335 PHILADELPHIA, PA 19112-1403 LINDA STIEMKE		TELEPHONE NUMBER AREA CODE 215 NUMBER 897-1355 FAX: 215 897-7059		9. DESTINATION N65540				
8. TO:		a. NAME OF CONSIGNEE NAVAL BUSINESS CENTER RECEIVING OFFICER NSWC CARDEROCK DIVISION						
a. NAME		b. COMPANY		b. STREET ADDRESS 1601 LANGLEY AVENUE BLDG 542 E				
c. STREET ADDRESS				c. CITY PHILADELPHIA				
d. CITY		e. STATE		f. ZIP CODE		d. STATE PA	e. ZIP CODE 19112-5051	
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE CLOSE OF BUSINESS (Date) 03 FEB 10			IMPORTANT: This is a request for information and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5A. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter.					
11. SCHEDULE (Include applicable Federal, State and local taxes)								
ITEM NO. (a)	SUPPLIES/SERVICES (b)			QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	
0001	REQN. NO. 95330 /30079631 RADAR TANK LEVEL INDICATOR (TLI) IN ACCORDANCE WITH THE ATTACHED SPECIFICATION.			35	EA			
12. DISCOUNT FOR PROMPT PAYMENT				a. 10 CALENDAR DAYS (%)		b. 20 CALENDAR DAYS (%) c. 30 CALENDAR DAYS (%)		d. CALENDAR DAYS NUMBER PERCENTAGE
NOTE: Additional provisions and representations <input type="checkbox"/> are <input type="checkbox"/> are not attached								
13. NAME AND ADDRESS OF QUOTER				14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION		15. DATE OF QUOTATION		
a. NAME OF QUOTER								
b. STREET ADDRESS				16. SIGNER				
c. COUNTY				a. NAME (Type or print)		b. TELEPHONE		
d. CITY				e. STATE f. ZIP CODE		c. TITLE (Type or print)		
						NUMBER		
AUTHORIZED FOR LOCAL REPRODUCTION Previous edition not usable								
STANDARD FORM 18 (Rev. 6-95) Prescribed by GSA-FAR (48 CFR) 53.215-1(a)								

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SECTION F TIME OF DELIVERY

DELIVERIES SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS

ITEM	QUANTITY	DELIVERY REQUIRED
0001	35 EA	03-MAR-14

52.213-4 Terms and Conditions--Simplified Acquisitions (Other Than Commercial Items) (SEPT 2002)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS) clauses that are incorporated by reference:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-3, Convict Labor (Aug 1996) (E.O. 11755).

(ii) 52.222-21, Prohibition of Segregated Facilities (Feb 1999) (E.O. 11246).

(iii) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246).

(iv) 52.225-13, Restrictions on Certain Foreign Purchases (July 2000) (E.O.'s 12722, 12724, 13059, 13067, 13121, and 13129).

(v) 52.233-3, Protest After Award (Aug 1996) (31 U.S.C. 3553).

(2) Listed below are additional clauses that apply:

(i) 252.204-7003, Control of Government Personnel Work Product (Apr 1992)

(ii) 52.232-1, Payments (Apr 1984).

(iii) 52.232-8, Discounts for Prompt Payment (Feb 2002).

(iv) 52.232-11, Extras (Apr 1984).

(v) 52.232-25, Prompt Payment (Feb 2002).

(vi) 52.233-1, Disputes (Jul 2002).

(vii) 252.243-7001 Pricing of Contract Modifications (Dec 1991)

(viii) 52.244-6, Subcontracts for Commercial Items (Dec 2001).

(ix) 52.253-1, Computer Generated Forms (Jan 1991).

(b) The Contractor shall comply with the following FAR and DFARS clauses, incorporated by reference, unless the circumstances do not apply:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (Sept 2002) (E.O. 13126). (Applies to contracts for supplies exceeding the micro-purchase threshold.)

(ii) 52.222-20, Walsh-Healey Public Contracts Act (Dec 1996) (41 U.S.C. 35-45) (Applies to supply contracts over \$10,000 in the United States, Puerto Rico, or the U.S. Virgin Islands).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212) (Applies to contracts of \$25,000 or more).

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998) (29 U.S.C. 793). (Applies to contracts

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over \$10,000, unless the work is to be performed outside the United States by employees recruited outside the United States.) (For purposes of this clause, United States includes the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.)

(v) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212) (Applies to contracts of \$25,000 or more).

(vi) 52.222-41, Service Contract Act of 1965, As Amended (May 1989) (41 U.S.C. 351, et seq.) (Applies to service contracts over \$2,500 that are subject to the Service Contract Act and will be performed in the United States, District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, Johnston Island, Wake Island, or the outer continental shelf lands).

(vii) 52.223-5, Pollution Prevention and Right-to-Know Information (Apr 1998) (E.O. 12856) (Applies to services performed on Federal facilities).

(viii) 252.225-7001, Buy American Act and Balance of Payments Program (Mar 1998) (Applies to contracts for supplies or services that require the furnishing of supplies. The clause does not apply if an exception to the Buy American Act or Balance of Payments Program is known to apply. The clause may not apply if nonqualifying country end products are ineligible for award including--

(A) End products restricted to domestic or domestic and qualifying country sources under Appropriations and Authorization Act restrictions;

(B) End products restricted to domestic or domestic and Canadian sources; and

(C) End products restricted under the authority of FAR 6.302-3.)

(ix) 52.232-33, Payment by Electronic Funds Transfer-- Central Contractor Registration (May 1999). (Applies when the payment will be made by electronic funds transfer (EFT) and the payment office uses the Central Contractor Registration (CCR) database as its source of EFT information.)

(x) 52.232-34, Payment by Electronic Funds Transfer-- Other than Central Contractor Registration (May 1999). (Applies when the payment will be made by EFT and the payment office does not use the CCR database as its source of EFT information.)

(xi) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (June 2000) (46 U.S.C. 1241). (Applies to supplies transported by ocean vessels.)

(xii) 252.247-7023, Transportation of Supplies by Sea (May 2002) Alternate III (May 2002) (Applies when transporting any supplies by sea under this contract.)

(2) Listed below are additional clauses that may apply:

(i) 252.204-7004, Required Central Contractor Registration (Nov 2001) (Applies to all contracts unless an exception is authorized by DFARS 204.7302.)

(ii) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (July 1995) (Applies to contracts over \$25,000).

(iii) 52.211-5 Material Requirements, Material Requirements (Aug 2000) (Applies to contracts for supplies that are not commercial items).

(iv) 52.211-17, Delivery of Excess Quantities (Sept 1989) (Applies to fixed-price supplies).

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(v) 52.222-21 Prohibition of Segregated Facilities (Feb 1999) (Applies if the contract is subject to the clause 52.222-26, Equal Opportunity (see (b)(1)(ii) above)).

(vi) 52.225-7002, Qualifying Country Sources as Subcontractors (Dec 1991) (Applies if the contract is subject to the DFARS clause 52.225-7001, Buy American Act and Balance of Payments Program (see (b)(1)(ix) above)).

(vii) 52.243-1, Changes--Fixed Price (Aug 1987) (Applies to fixed-price contracts for supplies).

(viii) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate I (Apr 1984) (Applies to fixed price contracts for services, other than architect-engineer or other professional services, and no supplies are to be furnished).

(ix) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate II (Apr 1984) (Applies to fixed price contracts for services (other than architect-engineer services, transportation, or research and development) and supplies are to be furnished).

(x) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate V (Apr 1984) (Applies to fixed price contracts for research and development).

(xi) 52.247-29, F.o.b. Origin (Jun 1988) (Applies to supplies if delivery is f.o.b. origin).

(xii) 52.247-34, F.o.b. Destination (Nov 1991) (Applies to supplies if delivery is f.o.b. destination).

(xiii) 52.222-42, Statement of Equivalent Rates for Federal Hires (May 1989) (Applies if the contract amount is expected to be over \$2,500 and the contract is subject to the clause 52.222-41, "Service Contract Act of 1965, As Amended" (see (b)(1)(vi) above)).

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only:

It is not a Wage Determination

Employee Class	Monetary Wage--Fringe Benefits
_____	_____
_____	_____
_____	_____

(xiv) 52.246-11 Higher-Level Contract Quality Requirement (Feb 1999) (Applies to contracts when the contracting officer finds it is in the Governments interest to require that higher-level quality standards be maintained and such standards are selected and identified in the clause).

The Contractor shall comply with the higher-level quality standard selected below. [If more than one standard is listed, the offeror shall indicate its selection by checking the appropriate block.]

	Title	Number	Date	Tailoring
*	_____	_____	_____	_____
*	_____	_____	_____	_____

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* _____
* _____

[Contracting Officer insert the title, number (if any), date, and tailoring (if any) of the higher-level quality standards.]

(c) FAR 52.252-2, Clauses Incorporated by Reference (Feb 1998). This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

FAR clauses - <http://www.arnet.gov/far/>
DFARS clauses - <http://www.acq.osd.mil/dp/dars/dfars.html>

(d) Inspection/Acceptance. The Contractor shall tender for acceptance only those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or reperformance of nonconforming services at no increase in contract price. The Government must exercise its postacceptance rights--

(1) Within a reasonable period of time after the defect was discovered or should have been discovered; and

(2) Before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

(e) Excusable delays. The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence, such as acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify the Contracting Officer in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Contracting Officer of the cessation of such occurrence.

(f) Termination for the Government's convenience. The Government reserves the right to terminate this contract, or any part hereof, for its sole convenience. In the event of such termination, the Contractor shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work. Subject to the terms of this contract, the Contractor shall be paid a percentage of the contract price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges that the Contractor can demonstrate to the satisfaction of the Government, using its standard record keeping system, have resulted from the termination. The Contractor shall not be required to comply with the cost accounting standards or contract cost principles for this purpose. This paragraph does not give the Government any right to audit the Contractor's records. The Contractor shall not be paid for any work performed or costs incurred that reasonably could have been avoided.

(g) Termination for cause. The Government may terminate

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this contract, or any part hereof, for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any contract terms and conditions, or fails to provide the Government, upon request, with adequate assurances of future performance. In the event of termination for cause, the Government shall not be liable to the Contractor for any amount for supplies or services not accepted, and the Contractor shall be liable to the Government for any and all rights and remedies provided by law. If it is determined that the Government improperly terminated this contract for default, such termination shall be deemed a termination for convenience.

(h) Warranty. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

(End of clause)

Your quotation must include the following information:

Price list number and date

or

Cost breakdown by direct labor (list categories, hours and pay rates). In addition to the direct rates, provide the applicable indirect information (G&A), overhead, facilities capital cost of money (FCCM) and profit.

or

Applicable General Services Administration (GSA) contract number.

If unable to quote FOB, Destination, please complete the following:

*PLEASE QUOTE FOB
DESTINATION, IF
POSSIBLE*

FOB Point _____

Estimated Shipping Charge _____

Business size:

Large _____ Small _____ Nonprofit _____

Cage Code _____

Tax Identification Number (TIN) _____

DUNNS _____

ELIGIBILITY REQUIREMENTS

All contractors and individuals doing business with the Federal Government must be registered at the Contractor Central Registration Database located at:

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<http://ccr.dlsc.dla.mil/>.

ELECTRONIC DISTRIBUTION OF CONTRACT DOCUMENTS

All contract award and contract modification documents will be distributed electronically using the Navy Air Force Interface (NAFI) system. The contractor's copy will be provided in portable document format (pdf) as an attachment to an e-mail that will be sent to the contractor by the NAFI system. A pdf file may be accessed using Adobe Acrobat Reader software. This is a free software that may be downloaded at:

<http://www.adobe.com/products/acrobat/readstep.html>

Provide the following information that will be used to make electronic distribution for any resultant contract:

Name of Point of Contact to Receive
Distribution _____

Phone Number for Point of Contact _____

E-Mail Address for Receipt of Distribution _____

USE OF THE GOVERNMENTWIDE COMMERCIAL PURCHASE CARD

Will you accept the Governmentwide Commercial Purchase Card as a method of purchasing supplies and/or services.

_____ Yes _____ No

Will you accept the Governmentwide Commercial Purchase Card as a method of payment for your invoice.

_____ Yes _____ No

DUTY FREE ENTRY

Will any materials being shipped to the Government require a duty-free entry certificate for foreign supplies.

_____ Yes _____ No

If yes, please include dollar amount \$ _____

SPECIFICATION

1.0 BACKGROUND

Radar Tank Level Indicators (TLIs) to be furnished shall be used onboard U.S. Naval Ships to automate the sounding of JP-5 and Fuel tanks for development of daily fuel and load report in addition they provide real time display of tank level. The accuracy of this information is critical to the ship for stability calculation, for mission readiness and to prevent inadvertent spills.

2.0 RADAR TLI

The Radar TLIs to be furnished shall include and consist of the following:

Radar TLI with sounding tube adapter. Quantity: 35

3.0 CHARACTERISTICS

The Radar TLIs shall possess the following Characteristics:

The Radar TLIs will be for installation onto existing tank sounding tubes. Sounding tubes are usually 1 ½ NPS pipe with 10 ft minimum bend radii and may be run at an angle. They are installed to permit the fluid level within the tank to be measured using a sounding tape. The pipes are joined with socket weld unions and may incorporate slots/holes along their length to ensure accurate level measurement during rapid fill/drain operations. The bottom of the tube terminates close to the tank bottom. Sounding tubes may also incorporate a "vent" hole in the tube just under the top of the tank. The sounding tubes are (or are modified to be) vented at least at or above the top of the tank.

The Radar TLIs shall be capable of making sounding tube readings of 60 ft.

The required output of the Radar TLIs shall be two-wire 4-20mA; active interfaces have not been established but Hart protocol is required for diagnostics and system setup.

The radar TLIs shall have a means of adapting to the sounding tube permitting temporary access to the sounding tube for manual sounding or for liquid sample retrieving from the tanks with out disconnecting Radar TLI wiring or excessive operator effort.

4.0 Hardware and Electrical Specifications: All Types of Radar TLI's

General Specifications:

Each Radar Type will meet the following General Specification:

Measuring Range:	0-85 Feet
Measuring Data:	Pulse Modulated: 6.3 GHZ
Measuring Interval:	1 second: (2-wire sensor)
Power Requirements:	2-Wire Loop-Powered 24 VDC (14 to 29VDC)

Power Consumption:	max: 240mW
Current Consumption:	max: 22.5 mA
User Interface: PC/Laptop	Hart Communication
Signal Output:	4-20mA current signal:
Display:	LCD: Integral Mounted (max. length 82 feet)
Operating Temperature:	Housing: -40 to 160 deg. F
Environmental Protection:	Housing: Nema 4X, IP66/67
Materials of Construction:	Housing: PBT (Valox)
	Antenna: PTFE (Teflon with Viton Seal)
Electrical Connection:	Cable Type: 0.12" to 0.34" diameter cable
	Recommended: 16 to 18 AWG Shielded Twisted Pair
Mounting Configuration:	The Sounding Tube Radar Sensor must be mounted with a Qualified Swivel and Sound Adapter for Sounding Tube Connection
Measuring Distance:	0-85 Feet
Vessel Pressure:	30 psi with Swivel and Sound adapter
Process Connection:	Sounding Adapters with Union Fitting 1.5" NPSH female Threaded Connection
Material of Construction:	316 Stainless Steel
Radar Sensor Connection:	Hardened Clamp Fitting
Weight:	Sensor Only: 9 lbs Max
	Swivel and Sound Assembly: 11 lbs Max

5.0 Test Requirements.

5.1 The radar unit must meet all the test requirements specified in Mil-L-23886C, for Tank Level Indicating Equipment except as noted below. Those requirements that deal only with level indicators and not with the sensor itself do not apply.

5.1.1 The output of the radar shall meet the signal conditioner requirements in paragraph 3.4.3.2 for 4-20 ma outputs.

5.1.2 Detailed requirements of section 3.5 do not apply since they are for indicators only and not the sensor.

5.1.3 Spike voltage reference in 3.6.9 does not apply since the radars are not connected directly to ship's force power.

Technical Proposal Requirements

Offerors shall submit with their quotation information on the Radar Tank Level Indicator they intend to furnish, demonstrating that it will comply with the requirements set forth in the Radar Tank Level Indicator Specification. This may consist of brochures, technical literature, etc. with a narrative describing any changes that will be made to meet the specification requirements.

The Government reserves the right to waive the performance tests set forth in the Radar Tank Level Indicator Specification. Offerors that have previously successfully performed the Performance Tests on the Radar Tank Level Indicator they intend to furnish may request a waiver of the performance tests. Any request for waiver should be accompanied by information demonstrating previous successful performance of their tests as part of any quotation.